THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Jorge E. Lopez de Cardenas

Serial No.:

10/727,870

Filed: December 4, 2003

For:

Real Time Optimization of Well Production

Without Creating Undue Risk of Formation Instability

Group Art Unit: 3672

Examiner: Collins, Giovanna M.

Atty. Docket: 68.0425

Commissioner for Patents PO Box 1450

Alexandria, VA 22313-1450

CERTIFICATE OF MAILING 37 C.F.R. 1.8

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450, on the date below:

December 16, 2005

Date

## REPLY AND AMENDMENT

Dear Sir:

In response to the Office Action mailed September 22, 2005, Applicants submit the following:

Amendments to the claims are reflected in the listing of claims that begins on page 2 of this paper.